

Glass Synthetic EP Gear Compounds

Product Data Sheet



Glass Synthetic EP Gear Compounds are premium quality full synthetic extreme pressure (EP) gear lubricants. They are designed for the protection of gears and bearings in services where high temperature and/or extreme pressure conditions prevail.

Glass Synthetic EP Gear Compounds are formulated from synthetic base stocks having high flash point and outstanding oxidation stability. They are fortified with selected Sulfur-Phosphorus additives for superior extreme pressure performance. Its high anti-wear qualities enhance protection of gears and bearings in industrial applications. Low pour point assures free-flowing lubrication to provide easy start-up and reduce wear in cold weather. They have excellent demulsibility and anti-foam properties and a High VI for use in a wide temperature range.

Glass Synthetic EP Gear Compounds deliver value through maximum efficiency through advanced additive technology and synthetic base oils which help reduce operating temperatures. They provide high oxidation resistance which promotes longer drain intervals. Synthetic Gear Compounds provide a wide operating temperature range from -30°C to 140°C and deliver maximum micropitting and wear protection with reduced maintenance and increased system uptime.

Glass Synthetic EP Gear Compounds are recommended for heavy duty general machinery lubrication, all types of bearings operating under severe load conditions, mist and air line dispensing equipment, and heavy duty enclosed and open helical, herringbone, straight, spiral bevel and spur gears.

Applications:

- Industrial enclosed gearing where AGMA EP lubricants are specified
- Bath, splash, circulating, or spray mist lubrication as applicable to the proper viscosity grade

Suitable for use where the following specifications are recommended: AGMA 250.04, US Steel Specification 224, Kaiser Steel, STLE and Cincinnati Milacron P-35, P-59 and P-63.

| Typical Properties | 68 | 150 | 220 | 320 | 460 | 680 |
|------------------------------|------------|------------|------------|------------|------------|------------|
| AGMA | 2EP | 4EP | 5EP | 6EP | 7EP | 8EP |
| Viscosity at 40°C, cSt | 68 | 150 | 220 | 320 | 460 | 680 |
| Flash Point, °C | ≥250 | ≥250 | ≥250 | ≥250 | ≥250 | ≥250 |
| Pour Point, °C | ≤ -20 | ≤ -20 | ≤ -20 | ≤ -20 | ≤ -20 | ≤ -20 |
| Viscosity Index | 140 | 158 | 160 | 165 | 170 | 175 |
| Foam Test, Seq II | | | | | | |
| Tendency, mL | 50 max | 50 max | 50 max | 50 max | 50 max | 50 max |
| Stability, mL | 0 | 0 | 0 | 0 | 0 | 0 |
| Copper Corrosion | | | | | | |
| 3h @ 100°C | 1b | 1b | 1b | 1b | 1b | 1b |
| Rust Test | Pass | Pass | Pass | Pass | Pass | Pass |
| FZG Scuffing (A/8.3/90) | | | | | | |
| Fail Stage | > 14 | >14 | > 14 | > 14 | > 14 | > 14 |
| FZG Micropitting, Fail Stage | 10/High | 10/High | 10/High | 10/High | 10/High | 10/High |
| Demulsibility, D2711 | | | | | | |
| Free Water | 80.0ml min | 80.0ml min | 80.0ml min | 80.0ml min | 80.0ml min | 80.0ml min |
| Emulsion | 1.0ml max | 1.0ml max | 1.0ml max | 1.0ml max | 1.0ml max | 1.0ml max |
| Timken OK Load, lb | 65 | 65 | 65 | 65 | 65 | 65 |
| Four-Ball Weld | | | | | | |
| Weld Point, kg | 250kg min | 250kg min | 250kg min | 250kg min | 250kg min | 250kg min |
| Load Wear Index | 64kg min | 64kg min | 64kg min | 64kg min | 64kg min | 64kg min |